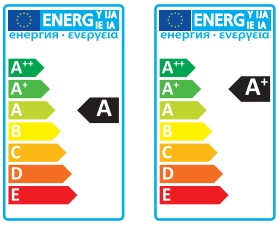
E-CORE MR16 4W / 5,2W / 7W

E-CORE makes our all-rounder for low-voltage lighting fit for the future. The GU5.3 pin-base lamp is available in eighteen versions, providing maximum flexibility when it comes to meet all your needs in accent and general lighting.

Application:

- Hospitality lighting
- Shop and Retail lighting
- Residential lighting



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Product details

- For GU5.3 base
- Replacement for MR16 low voltage halogen lamps
- Highly efficient and energy saving
- Mercury free
- Instant light
- Low UV/IR radiation
- Low heat radiation
- Operates on 12V transformers
- Life time 40,000 hours
- Pleasant warm or cool white light
- Reduction of energy consumption of up to 80%
- High light beam quality thanks to precise optics

Optical parameters

MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Useful luminous flux	220 lm	230 lm	260 lm
Colour temperature	**2700 K**	**3000 K**	**4000 K**
Colour rendering index	Ra 80	Ra 80	Ra 80
Colour consistency	6 SDCM	6 SDCM	6 SDCM
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity	920 / 550 cd	950 / 600 cd	1,050 / 650 cd
Lumen maintenance factor	L70 (or 0.7)	L70 (or 0.7)	L70 (or 0.7)
Lamp efficacy	55 lm/W	57.5 lm/W	65 lm/W
Energy class	A+	A+	A+

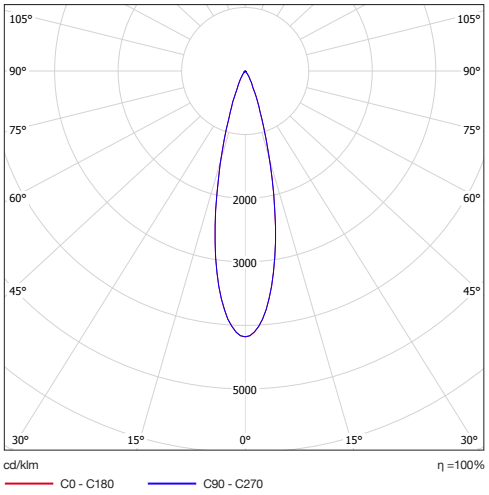
MODEL NAME	E-CORE MR16 5,2W		
Product code	LDRA0527MU5EU3/ LDRA0527WU5EU3	LDRA0530MU5EU3/ LDRA0530WU5EU3	LDRA0540MU5EU3/ LDRA0540WU5EU3
Useful luminous flux	280 lm	290 lm	300 lm
Colour temperature	**2700 K**	**3000 K**	**4000 K**
Colour rendering index	Ra 80	Ra 80	Ra 80
Colour consistency	6 SDCM	6 SDCM	6 SDCM
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity	1,200 / 650 cd	1,250 / 700 cd	1,250 / 700 cd
Lumen maintenance factor	L70 (or 0.7)	L70 (or 0.7)	L70 (or 0.7)
Lamp efficacy	53.8 lm/W	55.8 lm/W	57.7 lm/W
Energy class	A	A	A

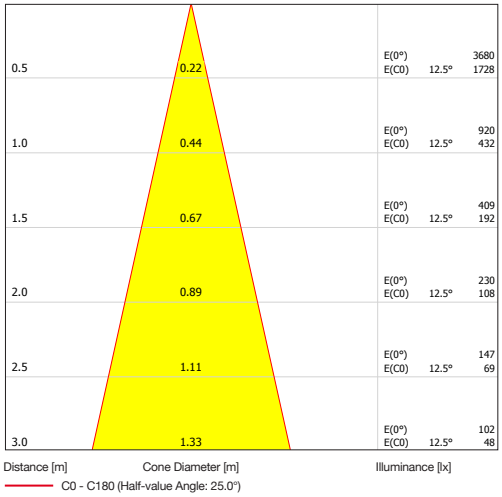
MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Useful luminous flux	360 lm	360 lm	380 lm
Colour temperature (K)	**2700 K**	**3000 K**	**4000 K**
Colour rendering index	Ra 80	Ra 80	Ra 80
Colour consistency	6 SDCM	6 SDCM	6 SDCM
Beam angle	25° / 35°	25° / 35°	25° / 35°
Luminous intensity	1,830 / 1,050 cd	1,830 / 1,050 cd	1,930 / 1,150 cd
Lumen maintenance factor	L70 (or 0.7)	L70 (or 0.7)	L70 (or 0.7)
Lamp efficacy	51.4 lm/W	51.4 lm/W	54.3 lm/W
Energy class	A	A	A

Optical parameters for E-CORE MR16 4W

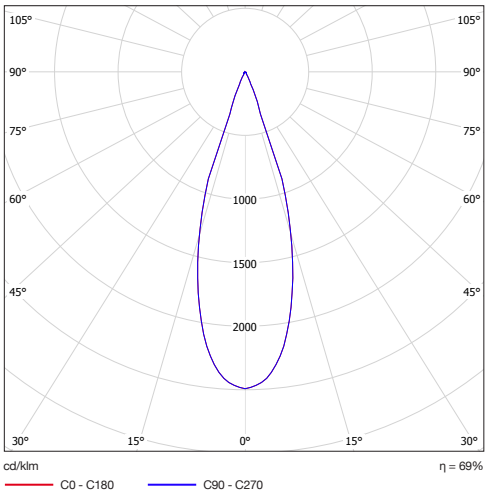
POLAR CANDELA DISTRIBUTION	ILLUMINANCE

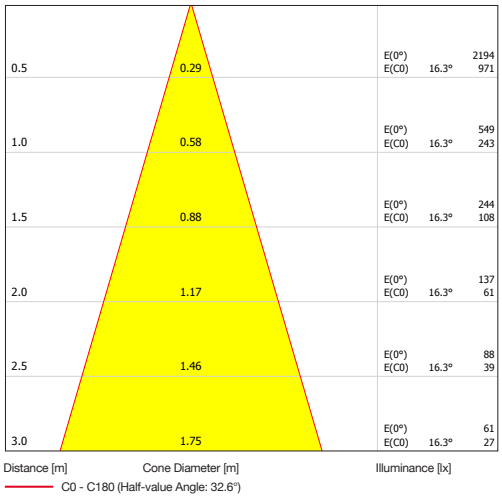
LDRA0527MU5EU2 / LDRA0530MU5EU2 / LDRA0540MU5EU2





LDRA0527WU5EU2 / LDRA0530WU5EU2 / LDRA0540WU5EU2

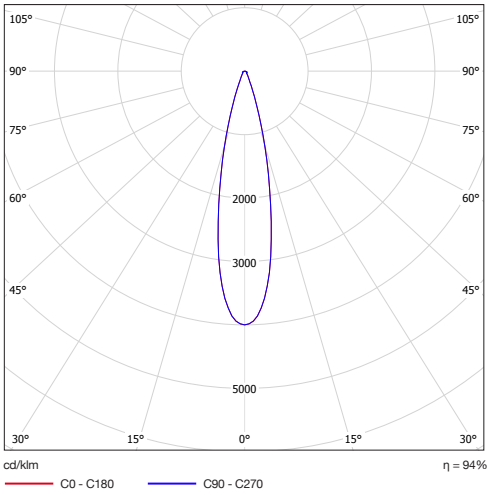


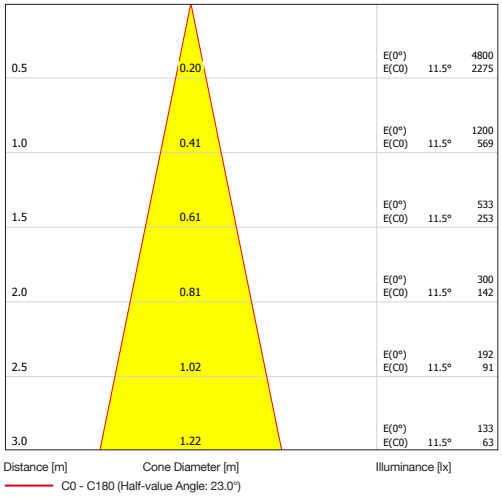


Optical parameters for E-CORE MR16 5,2W

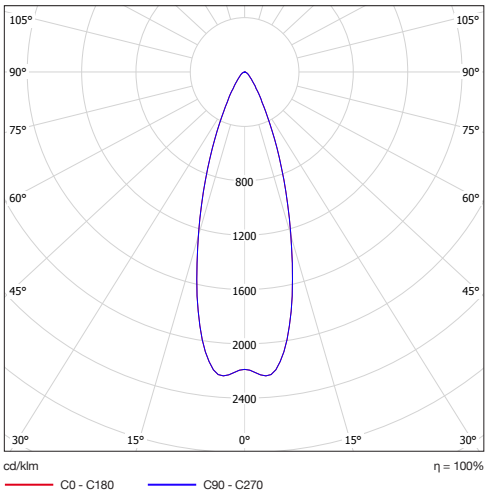
POLAR CANDELA DISTRIBUTION	ILLUMINANCE

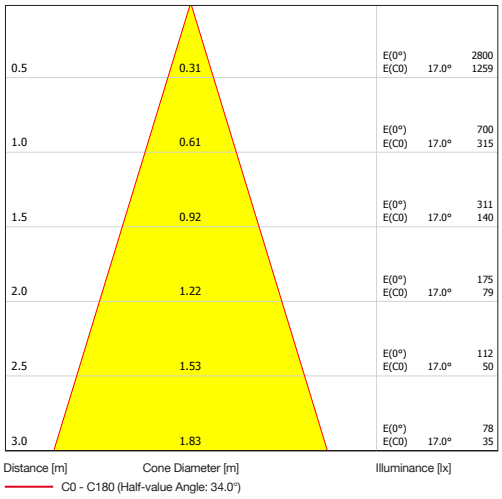
LDRA0527MU5EU3 / LDRA0530MU5EU3 / LDRA0540MU5EU3





LDRA0527WU5EU3 / LDRA0530WU5EU3 / LDRA0540WU5EU3





Optical parameters for E-CORE MR16 7W

POLAR CANDELA DISTRIBUTION	ILLUMINANCE

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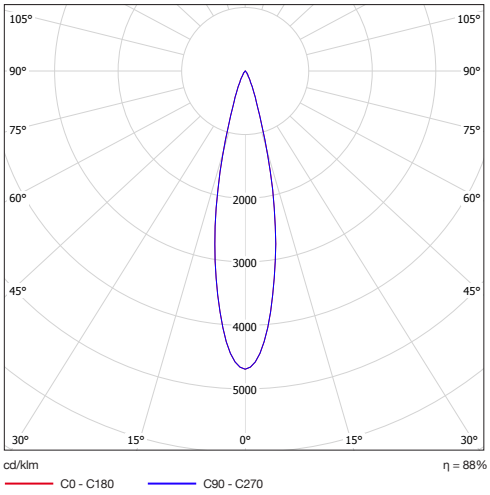
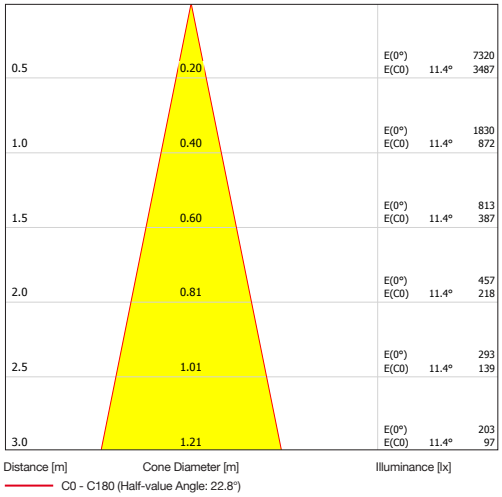
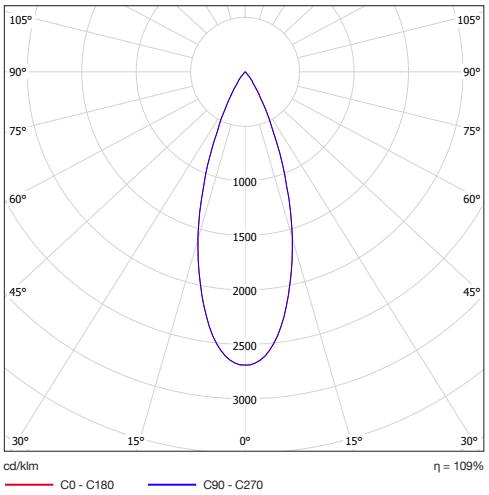
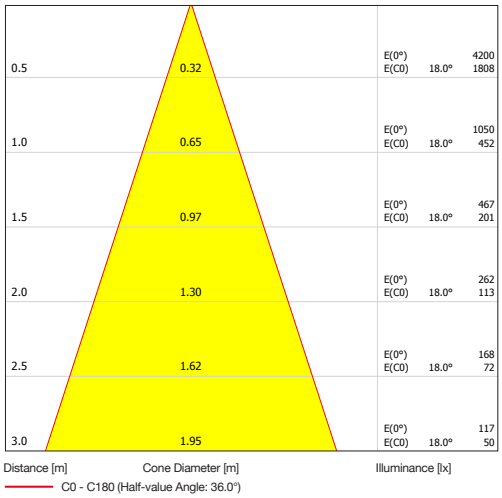




LDRA0727WU5EU / LDRA0730WU5EU / LDRA0740WU5EU





Electrical parameters

MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Rated voltage	12 V AC / 50 Hz	12 V AC / 50 Hz	12 V AC / 50 Hz
Rated wattage	4.0 W	4.0 W	4.0 W
Rated input current	480 mA	480 mA	480 mA
Power factor	0.69	0.69	0.69
Rated lifetime	25,000 h	25,000 h	25,000 h
Switching cycle	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 sec	< 0.5 sec	< 0.5 sec
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	No	No	No

MODEL NAME	E-CORE MR16 5,2W		
Product code	LDRA0527MU5EU3/ LDRA0527WU5EU3	LDRA0530MU5EU3/ LDRA0530WU5EU3	LDRA0540MU5EU3/ LDRA0540WU5EU3
Rated voltage	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz	12 V AC / 50-60 Hz
Rated wattage	5.2 W	5.2 W	5.2 W
Rated input current	550 mA	550 mA	550 mA
Power factor	0.79	0.79	0.79
Rated lifetime	40,000 h	40,000 h	40,000 h
Switching cycle	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 sec	< 0.5 sec	< 0.5 sec
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	No	No	No

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Rated voltage	12 V AC / 50 Hz	12 V AC / 50 Hz	12 V AC / 50 Hz
Rated wattage	7.0 W	7.0 W	7.0 W
Rated input current	800 mA	800 mA	800 mA
Power factor	0.73	0.73	0.73
Rated lifetime	40,000 h	40,000 h	40,000 h
Switching cycle	> 15,000	> 15,000	> 15,000
Starting time	< 0.5 sec	< 0.5 sec	< 0.5 sec
Warm-up time	Instant full light	Instant full light	Instant full light
Dimming	No	No	No

* Dimmable on suitable dimmers.

Mechanical parameters

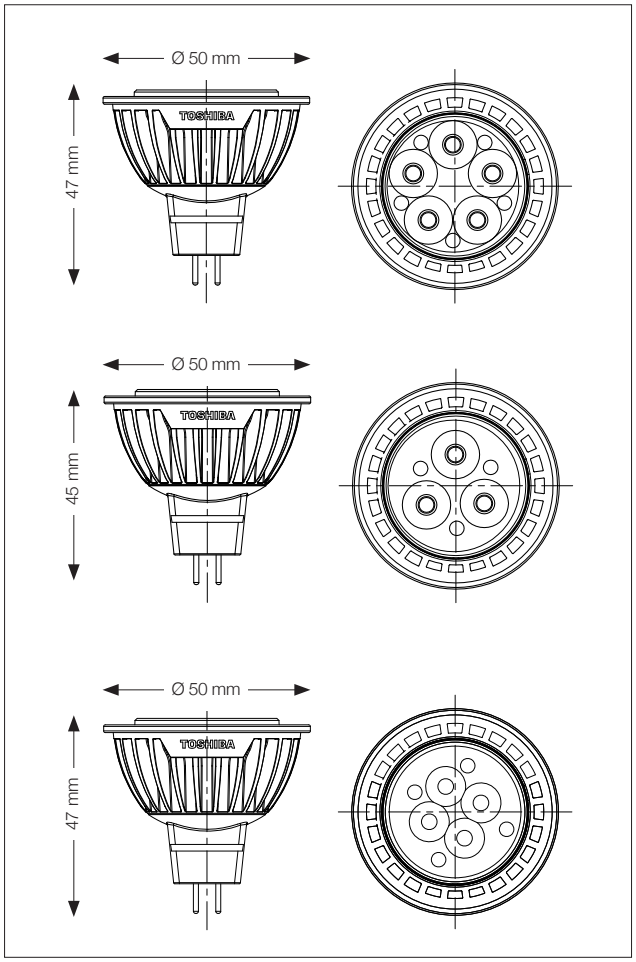
MODEL NAME	E-CORE MR16 4W		
Product code	LDRA0527MU5EU2 / LDRA0527WU5EU2	LDRA0530MU5EU2 / LDRA0530WU5EU2	LDRA0540MU5EU2 / LDRA0540WU5EU2
Overall length	47 mm	47 mm	47 mm
Diameter	50 mm	50 mm	50 mm
Net weight	40 g	40 g	40 g
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 5,2W		
Product code	LDRA0527MU5EU3/ LDRA0527WU5EU3	LDRA0530MU5EU3/ LDRA0530WU5EU3	LDRA0540MU5EU3/ LDRA0540WU5EU3
Overall length	45 mm	45 mm	45 mm
Diameter	50 mm	50 mm	50 mm
Net weight	50 g	50 g	50 g
Cap	GU5.3	GU5.3	GU5.3

MODEL NAME	E-CORE MR16 7W		
Product code	LDRA0727MU5EU / LDRA0727WU5EU	LDRA0730MU5EU / LDRA0730WU5EU	LDRA0740MU5EU / LDRA0740WU5EU
Overall length	47 mm	47 mm	47 mm
Diameter	50 mm	50 mm	50 mm
Net weight	55 g	55 g	55 g
Cap	GU5.3	GU5.3	GU5.3

* Dimmable on suitable dimmers.

Drawings



4 W
20 W

5,2 W
25 W

7 W
35 W

According to
ErP 1194/2012

12V AC Drivers

For driving the E-CORE lamps a 12 V AC driver is necessary. Not every market offered driver is compatible with these lamps. A list of recommended drivers and conditions of use can be found on our website www.toshiba.eu/lighting.

RECOMMENDED DRIVERS FOR USE WITH MAX. 5 LAMPS:		
ABI SET60T-EL 10-60W	ABI SET150-2 50-150W	ABI SET70M 20-70W
DELUCE DLT70 10-70W	DELUCE DLT105 20-105	DELUCE DLT60 10-60W
DELUCE DLT150 50-150W	EREA LASSO 150K 2G 35-150W	FN LIGHT TL150S 50-150W
FN LIGHT TL210S 50-210W	GITRONICA GET 105 FI/VOX 35-105W	GITRONICA GET 200 FI/VOL 50-200W
HEP Group TL210S 50-210W	LCI ET 3-60C	MEANWELL RS-25-12 25W
OSRAM HALOTRONIC HTM105 35-105W	OSRAM HALOTRONIC ECO-ET 60 20-60W	OSRAM HALOTRONIC HTM70 20-70W
PHILIPS CERTALINE 60W 20-60W	PHILIPS Primaline 150 50-150W	PHILIPS Primaline 105 30-105W
PHILIPS Primaline 70 35-70W	PHILIPS ET-E 60 60W	RADIUM Ralotronic S40 10-40W
SEET PRIME 20-60W	SEET HA-60C 20-60W	SEET PLUS 20-60W
SLV TL60S 10-60W	TCI MW 70 LED	TRIDONIC Viper 105VA 35-105VA
TRIDONIC Viper 60VA 20-60VA	VS Z 35-200W	VS TopLine EST 70/12.643 20-70W
VS TopLine EST 105/12.644 20-105W	VS DiscLine EST 70/12.601 20-70W	VS DiscLine EST 105/12.602 35-105W

Logistic data

PRODUCT CODE / 4 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0527MU5EU2	4974550447171	Gift box (1pcs)	58 x 55 x 78	67
	14974550447178	Carton (10pcs)	278 x 118 x 79	780
LDRA0527WU5EU2	4974550447188	Gift box (1pcs)	58 x 55 x 78	67
	14974550447185	Carton (10pcs)	278 x 118 x 79	780
LDRA0530MU5EU2	4974550447195	Gift box (1pcs)	58 x 55 x 78	67
	14974550447192	Carton (10pcs)	278 x 118 x 79	780
LDRA0530WU5EU2	4974550447201	Gift box (1pcs)	58 x 55 x 78	67
	14974550447208	Carton (10pcs)	278 x 118 x 79	780
LDRA0540MU5EU2	4974550447218	Gift box (1pcs)	58 x 55 x 78	67
	14974550447222	Carton (10pcs)	278 x 118 x 79	780
LDRA0540WU5EU2	4974550447225	Gift box (1pcs)	58 x 55 x 78	67
	14974550447208	Carton (10pcs)	278 x 118 x 79	780

PRODUCT CODE / 5.2 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0527MU5EU3	4974550459686	Gift box (1pcs)	63 x 55 x 86	80
	24974550459680	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459683	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0527WU5EU3	4974550459693	Gift box (1pcs)	63 x 55 x 86	80
	24974550459697	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459690	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0530MU5EU3	4974550459709	Gift box (1pcs)	63 x 55 x 86	80
	24974550459703	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459706	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0530WU5EU3	4974550459716	Gift box (1pcs)	63 x 55 x 86	80
	24974550459710	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459713	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0540MU5EU3	4974550459723	Gift box (1pcs)	63 x 55 x 86	80
	24974550459727	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459720	Carton (20pcs)	292 x 142 x 211	2,100
LDRA0540WU5EU3	4974550459730	Gift box (1pcs)	63 x 55 x 86	80
	24974550459734	Carton (10pcs)	282 x 132 x 96	1,000
	14974550459737	Carton (20pcs)	292 x 142 x 211	2,100

PRODUCT CODE / 7 W	EAN/ITF CODE	PACKAGING TYPE	SIZE OF PACKAGING (mm) L x H x W	GROSS WEIGHT (g)
LDRA0727MU5EU	4974550447089	Gift box (1pcs)	58 x 55 x 78	82
	14974550447086	Carton (10pcs)	278 x 118 x 79	930
LDRA0727WU5EU	4974550428422	Gift box (1pcs)	58 x 55 x 78	82
	14974550428429	Carton (10pcs)	278 x 118 x 79	930
LDRA0730MU5EU	4974550447096	Gift box (1pcs)	58 x 55 x 78	82
	14974550447093	Carton (10pcs)	278 x 118 x 79	930
LDRA0730WU5EU	4974550447102	Gift box (1pcs)	58 x 55 x 78	82
	14974550447109	Carton (10pcs)	278 x 118 x 79	930
LDRA0740MU5EU	4974550447119	Gift box (1pcs)	58 x 55 x 78	82
	14974550447116	Carton (10pcs)	278 x 118 x 79	930
LDRA0740WU5EU	4974550447126	Gift box (1pcs)	58 x 55 x 78	82
	14974550447123	Carton (10pcs)	278 x 118 x 79	930

Handling and safety information

- Do not cover the lamp with paper, cloth or other easily flammable materials
- Do not expose the lamp to water or high humidity
- Avoid additional mechanical stress on the lamp
- Do not touch the lamp during or shortly after usage. Risk of burn!
- Use only with recommended drivers
- Ambient temperature range: +5 °C to +40 °C
- Do not look directly into the lamp
- Do not spray pesticide on this lamp
- Please ensure the mains power is disconnected before undertaking any work on the luminaire or lamp

www.toshiba.eu/lighting

10/2013

Product specifications and configurations, and availability of products are subject to change. Variations in product design and product features are subject to change. Colours may vary from illustration. Errors and omissions excepted.
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